

CLAIMS

1. A product of a process of producing structured data from unstructured free text, said product comprising at least one storage media device including a database of integrated data, said product produced by an integration process comprising the steps of:

accessing a source of unstructured data, the unstructured data including free text;
identifying text records within the free text;
parsing the identified text records;
identifying roles within the parsed text records, said identifying producing attribute extractions, each of said attribute extractions containing attribute information of the derived source text;
applying caseframes to the attribute extractions, said applying caseframes producing a filtered set of attribute extractions; and
producing a structured data element containing the filtered set of extractions.

2. A product of the process recited in claim 1, wherein the process further comprises the step of identifying domains of the filtered set of attribute extractions.

3. A product of the process recited in claim 2, wherein the process further comprises the step of assigning domain roles.

4. A product of the process recited in claim 3, wherein the process further comprises the step of producing relation types.

5. A product of the process recited in to claim 4, wherein the process further comprises the step of coalescing the produced relation types.

6. A product of the process recited in claim 1, wherein the process further comprises the step of creating a new database containing the structured data element produced in said producing.

7. A product of the process recited in claim 1, wherein the process further comprises the step of

producing a new relational database containing the structured data element produced in said producing a structured data element.

8. A product of the process recited in claim 1, wherein the process further comprises the step of producing a file containing the structured data element produced in said producing a structured data element.

9. A product of the process recited in claim 8, wherein the process further comprises the step of producing a file having a format containing the structured data element selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.

10. A product of the process recited in claim 1, wherein the structured data element produced by the performance of said producing includes reference information to the original free text for construed data.

11. A product of the process recited in claim 1, wherein the process further comprises the step of constructing a library containing extracted attributes.

12. A product of the process recited in claim 1, wherein the process further comprises the step of constructing a library containing extracted relational facts.

13. A product of the process recited in claim 1, wherein the process further comprises the step of combining like relation types.

14. A product of the process recited in claim 1, wherein the process further comprises the step of combining like attributes.

15. A product of the process recited in claim 1, wherein the process further comprises the step of coalescing the identified attributes.

16. A product of the process recited in claim 1, wherein the process further comprises the step of

coalescing identified relation types.